

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Guoliang Wu

Title: TRANSMISSION SLOT ALLOCATION METHOD AND MAP FOR
VIRTUAL TUNNELS IN A TRANSMISSION LINE

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313.1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

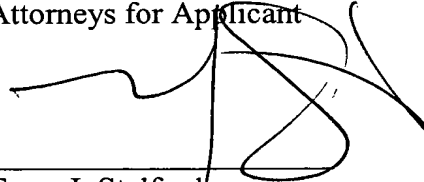
Applicant respectfully requests, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form, and previously cited in U.S. Application Serial No. 09/325,497, filed June 3, 1999 by Applicant and entitled "TRANSMISSION SLOT ALLOCATION METHOD AND MAP FOR VIRTUAL TUNNELS IN A TRANSMISSION LINE," be considered and cited in the examination of the above-identified continuation patent application. Pursuant to 37 C.F.R. § 1.98(d), copies of these references are not being furnished. Furthermore, pursuant to 37 C.F.R. § 1.97(h), no representation is made that these references qualify as prior art or that these references are material to the patentability of the present application.

Pursuant to 37 C.F.R. § 1.97(b), no fee is believed due. If, however, Applicant has overlooked the need for a fee, the Commissioner is hereby authorized to charge any underpayment to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.

Attorneys for Applicant

A handwritten signature in black ink, appearing to be 'Terry J. Stalford', written over a horizontal line.

Terry J. Stalford
Registration No. 39,522

Dated: December 1, 2003

Customer Number: **05073**

PTO-1449	Application No.	Applicant(s) Guoliang Wu	
	Docket Number 064731.0392	Group Art Unit	Filing Date December 1, 2003

**Information Disclosure Citation
in an Application**

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	4,339,633	07/13/82	Ahmed	179	99 M	10/06/80
	B	4,631,641	12/23/86	Brombal et al.	361	424	07/18/85
	C	4,893,306	01/09/90	Chao, et al.	370	94.2	11/10/87
	D	5,012,469	04/30/91	Sardana	370	335	07/29/88
	E	5,130,984	07/14/92	Cisneros	370	94.1	12/18/90
	F	5,278,833	01/11/94	Crisler et al.	370	335	03/28/91
	G	5,295,140	03/15/94	Crisler et al.	370	335	03/28/91
	H	5,303,234	04/12/94	Kou	370	335	07/15/92
	I	5,412,652	05/02/95	Lu	370	85.12	09/24/93
	J	5,467,348	11/14/95	Fujii et al.	370	60.1	01/06/94
	K	5,515,376	05/07/96	Murthy et al.	370	85.13	07/19/93
	L	5,537,403	07/16/96	Cloonan et al.	370	60.1	12/30/94
	M	5,689,506	11/18/97	Chiussi et al.	370	388	01/16/96
	N	5,796,720	08/18/98	Yoshida et al.	370	245	02/06/96
	O	5,805,568	09/08/98	Shinbashi	370	223	04/03/96
	P	5,838,924	11/17/98	Anderson et al.	395	200.69	08/06/96
	Q	5,841,771	11/24/98	Irwin et al.	370	360	07/03/96
	R	5,920,412	07/06/99	Chang	359	128	04/24/96

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	S	EP 0 700 186 A1	03/06/96	EPO	H04L 12/56	H04Q 11/04	X	
	T	WO 99/09689	02/25/99	PCT	H04J 3/16		X	
	U	EP 0 818 940 A2	01/14/98	EPO	H04Q 11/04	H04L 12/437	X	

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	V	"General Aspects of Digital Transmission Systems," XP-002083788, ITU-T Recommendation G.708, <i>ITU-T Telecommunication Standardization Section of ITU</i> , March, 1993, 19 pages.	March, 1993
	W	Wu, et al., "A Broadband Virtual Path SONET/ATM Self-Healing Ring Architecture and Its Economic Feasibility Study," <i>IEEE Global Telecommunications Conference</i> , December 6-9, 1992, 8 pages.	12/6-9/92

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

U.S. Patent and Trademark Office

PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s) Guoliang Wu	
	Docket Number 064731.0392	Group Art Unit	Filing Date December 1, 2003

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	5,677,905	10/14/97	Bigham, et al.	370	94.2	03/28/95
	B	5,867,502	02/02/99	Chang	370	477	02/15/96
	C	5,982,776	11/09/99	Manning et al.	370	414	04/29/97
	D	5,771,234	06/23/98	Wu et al.	370	396	12/06/95
	E	6,067,301	05/23/00	Aatresh	370	418	05/29/98
	F	5,712,851	01/27/98	Nguyen et al.	370	399	12/28/95
	G	6,144,669	11/07/00	Williams et al.	370	401	12/12/97

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	H	EP 0 509 648 A1	10/21/92	EPO	H04L 12/56	H04L 12/18	X	
	I	EP 0 868 058 A1	09/30/98	EPO	H04L12/56	H04Q11/04	X	
	J	EP 0 901 307 A2	03/10/99	EPO	H04Q11/04	H04L12/56	X	
	K	EP 0 817 439 A2	01/07/98	EPO	H04L 12/56		X	

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	L	Tsong-Ho Wu, "Cost-Effective Network Evolution, A three-phase path from today's SONET/STM ring transport to a SONET/ATM VP ring transport could facilitate the network evolution for broadband service," <i>IEEE Communications Magazine</i> , September 1993, 10 pages.	09/1993
	M	M.Huterer, "ATM on SDH," <i>Alcatel Telecommunications Review</i> , 1st Quarter, 1997, 9 pages.	1997
	N	Tai H. Noh, "ATM Scenarios for SDH/SONET Networks, XP-000750438, <i>Bell Labs Technical Journal</i> , January-March 1998, 13 pages.	01-03/1998
	O	International Search Report in International Application No. PCT/US 00/15426, dated September 21, 2000, 7 pages.	09/21/2000
	P	International Search Report in International Application No. PCT/US00/15425, dated September 7, 2000, 6 pages.	09/07/2000
	Q	Kurimoto, et al., "An Expandable Multicast ATM Switch Based on Copy Trunk with New Delay Control and Cell Spacing Functions, XP 000628644, <i>IEICE Trans. Commun.</i> , Vol. E79B, No. 8, August, 1996, 7 pages.	August, 1996
	R	Subramaniam, et al., "Multicasting in ATM networks using MINs ¹ , <i>Computer Communications</i> 19, 1996, 11 pages.	1996
	S	K. Sriram, "Methodologies for bandwidth allocation, transmission scheduling, and congestion avoidance in broadband ATM networks," <i>Computer Networks and ISDN Systems</i> , Vol 26, No. 1, September, 1993, 17 pages.	09/1993

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PTO-1449		Application No.		Applicant(s) Guoliang Wu			
Information Disclosure Citation in an Application		Docket Number 064731.0392		Group Art Unit		Filing Date December 1, 2003	
U.S. PATENT DOCUMENTS							
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	A						
	B						
	C						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	D	EP 0 680 235 A1	11/02/95	EPO	H04Q 11/04	H04L 12/56	X
	E						
	F						
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
	G	Fabrice Guillemin, et al., "Some Traffic Aspects in Virtual Private Networks over ATM," XP-000702583, Source Unknown, April, 1996, 12 pages.					04/1996
	H	Noriharu Miyaho, et al., "Integrated Switching Architecture and Its Traffic Handling Capacity in Data Communication Networks," XP 000692355, <i>IEEE Trans Commun.</i> , Vol. E79-B, No. 12, December, 1996, 13 pages.					12/1996
	I	McDysan, David E., et al., "ATM Theory and Application. McGraw-Hill, Inc. ISBN 0-07-060362-6, pp. 365-385.					1994
	J	Erdengiz, Ali, "ATM Usage Policing and Traffic Shaping," Communications System Design (January 1997).					January, 1997
	K	Dobrowski, George et al., <i>ATM User-Network Interface Specification, Version 3.1</i> , The ATM Forum.					September, 1994
	L	"Cerent 454™ High Speed SONET/SDH Transport System,					ALTS trade show, Las Vegas, Nevada on or about December, 1998
	M	"FLM 150 ADM LAN Extension Product Design Specification," Revision 1.1, Internal Design Specification for Product, sheets 6/353-10/353 and 72/353-75/353.					Product publicly released on or about December, 1998
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	A						
	B						
	C						

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	D						YES	NO
	E							
	F							

NON-PATENT DOCUMENTS			
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	G	"Product Design Specification (PDS) for FLASH-192, Release 1," Internal Design Specification for Product, pp. 1/916; 4-12/916l 315-320/916.	Product publicly released on or about March, 1999
	H	"InterNetworking Systems; AnyMedia® Access Products; AnyMedia Access System," http://www.lucent.com/ins/products/anymedia.html .	Printed August 10, 2000
	I	"AnyMedia® Access System," Lucent Technologies, Inc. Marketing Communications.	September, 1999
	J	"The AnyMedia™ Access System Anything's Possible," Lucent Technologies, Inc. Marketing Communications.	1997
	K	Photography of Northern Telecom Card, card dated April, 1998.	1998
	L	Held, G., <i>Understanding Data Communications</i> , Fifth Edition, Sams Publishing. ISBN No. 0-672-30934-3, Chapter 14, pp. 419-431.	1996
	M	McCloghrie, K., et al., "Management Information Base for Network Management of TCP/IP-based internets: MIB-II," SNMP Working Group.	March, 1991
	N	"Draft New Recommendation 1.630 (ATM Protection Switching)," ITU Telecommunication Standardization Sector, COM 13-41-E.	September, 1998
	O	"Guérin, R., et al., "Equivalent Capacity and its Application to Bandwidth Allocation in High-Speed Networks," IEEE Journal on Selected Areas in Communications, Vol. 9, No. 7, pp. 968-981.	September, 1991
	P	Gün, L., et al., "Bandwidth Management and Congestion Control Framework of the Broadband Network Architecture," Computer Networks and ISDN Systems 26, Elsevier Science Publishers B.V., North-Holland, pp. 61-78.	1993
	R	"S/DMS TransportNode 'OC-3 Express'—Cost-Effective SONET Transport for Low-Capacity Applications", Northern Telecom Marketing Publications, Issue 1, pp. 1-31.	September 27, 1996

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	D						
	E						
	F						
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
	G	Universal Serial Bus Specification Revision 1.1, Compaq Computer Corporation, Intel Corporation, Microsoft Corporation, NEC Corporation.					September 23, 1998
	H	"MMC Products," http://www.mc-net.com/top-roducts/productdescriptions.html ,					Printed July 22, 1999
	I	"MMC Network's Products: AnyFlow 5400," http://www.mmcnet.com/Solutions/anyflow5400.asp .					Printed February 7, 2000
	J	"MMC Network's Products: AnyFlow 5500," http://www.mmcnet.com/Solutions/anyflow5500.asp .					Printed February 7, 2000
	K	"AnyFlow 5400 Product Overview," MMC Networks.					Undated
	L	"AnyFlow 5500 Product Overview," MMC Networks.					Undated
	M	"SwitchStAR™ ATM Cell Based 8 X 8 Non-Blocking Single Chip Switching Memory, Preliminary IDT77V400, Commercial Temperature Range, Integrated Device Technology, Inc., pp. 1-23.					May, 1998
	N	"SwitchStAR™ ATM Cell Based 8 X 8 Non-Blocking Single Chip Switch Controller, Preliminary IDT77V500, Commercial Temperature Range, Integrated Device Technology, Inc., pp. 1-14.					May, 1998
	O	Giroux, Natalie et al., <i>Traffic Management Specification, Version 4.0</i> , af-tm-0056.000, The ATM Forum					April, 1996
	P	M4 Interface Requirements and Logical MIB, af-nm-0020.000, The ATM Forum.					October, 1994
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